

比例式 基本 3

NO.3

学習日 月 日

名前

/ 点

■ 次の方程式を解きなさい。

(1) $3 : 5 = 2 : x$

(2) $6 : 4 = 9 : x$

(3) $x : 7 = 2 : 3$

(4) $10 : 4 = x : 6$

(5) $5 : 2 = 8 : x$

(6) $9 : 4 = x : 6$

解答

$$\begin{aligned}(1) \quad 3 & : 5 = 2 : x \\ 3x & = 5 \times 2 \\ 3x & = 10 \\ x & = \frac{10}{3}\end{aligned}$$

$$\begin{aligned}(2) \quad 6 & : 4 = 9 : x \\ 6x & = 4 \times 9 \\ 6x & = 36 \\ x & = 6\end{aligned}$$

$$\begin{aligned}(3) \quad x & : 7 = 2 : 3 \\ 3x & = 7 \times 2 \\ 3x & = 14 \\ x & = \frac{14}{3}\end{aligned}$$

$$\begin{aligned}(4) \quad 10 & : 4 = x : 6 \\ 4x & = 10 \times 6 \\ 4x & = 60 \\ x & = 15\end{aligned}$$

$$\begin{aligned}(5) \quad 5 & : 2 = 8 : x \\ 5x & = 2 \times 8 \\ 5x & = 16 \\ x & = \frac{16}{5}\end{aligned}$$

$$\begin{aligned}(6) \quad 9 & : 4 = x : 6 \\ 4x & = 9 \times 6 \\ 4x & = 54 \\ x & = \frac{27}{2}\end{aligned}$$